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## CERTIFICATION STATEMENT

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

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Hon. Francisco "Paco" López, Mayor

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Date

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## NOTICE OF INTENT (SECTION 2.2 – GENERAL PERMIT)

### Information on the Permittee

Barranquitas Municipality  
Hon. Francisco "Paco" López, Mayor  
Post Office Box 250  
Barranquitas, P.R. 00794  
Phone Number: (787) 857-2290  
(787) 857-4456

Barranquitas is a non-autonomous Municipality of Puerto Rico.

### Information on the MS4

The Municipality of Barranquitas operates a municipal separate storm sewer system (MS4) located in the urban zone of the Municipality (i.e. Town Center or El Pueblo). The Municipality of Barranquitas is located in the central region of Puerto Rico. It is adjacent to the north of Aibonito and Coamo; the south of Corozal and Naranjito; the east of Orocovis; and the west of Comerio.

Barranquitas Municipality Location Coordinates are as follows

- Latitude North 18.18861
- Longitude West -66.30667

Appendix B includes maps which provide details about the urbanized area of the Municipality of Barranquitas.

The waterbodies that cross through the Municipality of Barranquitas are sub-watersheds of the La Plata River (PRER10A3, Rio Hondo PRER10H, and Rio Usabón PRER 10I1) and the sub-watersheds of the Rio Grande de Manatí (PRNR8A3, Rio Bauta PRNR8C2, Rio Orocovis PRNR8E1 and Rio Botijas PRNR8E2). The only TMDLs approved for Puerto Rico waterbodies are Rio Cibuco (September 2002), Rio de la Plata (September 2003), and Rio Grande de Loiza (September 2007). The maps of La Plata and Rio Grande de Manatí Watersheds are included in Appendix A. Even though the Municipality of Barranquitas' sub-watershed is part of Rio de la Plata Watershed, the Puerto Rico Environmental Quality Board (PREQB) Strategic Planning and Evaluation Department confirmed that after reviewing the 303(d) List for lagoons, lakes and rivers of Puerto Rico, the Municipality of Barranquitas does not have any TMDL requirements.

The Municipality of Barranquitas is not planning to rely on any other government entity regulated under the storm water regulations to satisfy any permit or Storm Water Management Program (SWMP) requirements.

The best management practices (BMPs) and measurable goals chosen to meet each of the minimum control measures included in the General Permit are described in the Municipality of Barranquitas SWMP planning document (Appendix D). See Items 9, 10, and 11 of the National Pollutant Discharge

Elimination System (NPDES) Application Requirements for a summary of the BMPs, measurable goals, schedule, and responsible persons which will implement the SWMP.

The Municipality of Barranquitas certifies by the submittal of this NOI that all eligibility criteria for protection of threatened or endangered species, critical habitat, and historic properties have been met. Marine fisheries criteria are not applicable to the Municipality of Barranquitas. The Municipality of Barranquitas meets Endangered Species and Critical Habitat Criteria A of the General Permit (from Appendix A) – No federally-listed threatened or endangered species or their designated critical habitats are in proximity to the facilities in question. In addition, adverse effects to listed threatened or endangered species or designated critical habitat from Barranquitas’ allowable non-storm water dischargers are not likely. Finally, the Municipality of Barranquitas is in compliance with the National Historic Preservation Act and meets Criteria A of the General Permit (from Section 1.3.6.1.1 and Appendix B) which states that the Municipality of Barranquitas’ storm water discharges do not affect a property that is listed or is eligible for listing on the National Register of Historic Places as maintained by the Secretary of the Interior.

## **NPDES APPLICATION REQUIREMENTS (APPENDIX C)**

### **Activities by the applicant that require an NPDES Permit**

The Municipality of Barranquitas operates a municipal separate storm sewer system (MS4) located in the Town Center of the Municipality.

### **Name, mailing address, and location of the facility for which the application is submitted**

Municipality of Barranquitas  
Post Office Box 250  
Barranquitas, P.R. 00794  
Phone Number: (787) 857-2290  
(787) 857-4456

### **Standard Industrial Classification (SIC) Code**

SIC Code Number: 9199

### **Operator names, address, telephone numbers, ownership status, and status as a federal, state, local, Tribal or other public entity**

Municipality of Barranquitas  
Planning & Engineering Department Director (787) 857-5539  
Post Office Box 250  
Barranquitas, P.R. 00794

**Listing of any permits or construction approvals received or applied for under any of the following programs**

**NPDES program under the Clean Water Act**

The following information was provided by PREQB.

<b>FACILITY INFORMATION</b>	<b>FACILITY ADDRESS</b>	<b>NPDES PERMIT No.</b>
PRASA BARRANQUITAS STP	ROAD 719 KM 0.2 BARRANQUITAS, PR 00794	PR0025861
PRASA LA BOCA BARRANQUITAS WTP	ROAD 749 KM 0.1 INTERIOR LA BOCA SECTOR AT QUEBRA BARRANQUITAS, PR 00734	PR0026565
PRASA WTP BARRANCAS	ROAD 771, KM 5.3 BARRANQUITAS, PR 00618	PR0022501
PRASA WTP BARRANQUITAS	STATE ROAD #156, KM 9.6 BARRANQUITAS, PR 00618	PR0022497
S.U. LAJITAS WAARD SCHOOL	STATE ROAD 771, KM 5.3 BARRANQUITAS, PR 00618	PR0023124

**NPDES CONTRUCTION GENERAL PERMIT COVERED PROJECTS**

<b>PERMIT No</b>	<b>NOI Submitted Date</b>	<b>Date of Coverage</b>	<b>Application Type</b>	<b>Owner/Operator Name</b>	<b>Project/Site Name</b>	<b>Status</b>
<u>PRR10B727</u>	April 14, 2005	April 21, 2005	Construction	P A INVESTMENT	EARTH MOVEMENT	Active
<u>PRR10B990</u>	April 11, 2006	April 18, 2006	Construction	PORMAG REAL ESTATES SE	EARTH MOVEMENT	Active
<u>PRR10BB29</u>	July 12, 2006	July 19, 2006	Construction	UNIVERSIDAD INTERAMERICANA	CENTRO DE USOS MULTIPLES	Active

**CURRENT EROSION AND SEDIMENTATION CONTROL PLANS ON FILE WITH PRDNR**

<b>PERMIT No.</b>	<b>PROJECT NAME</b>	<b>PROJECT ADDRESS</b>	<b>DATE</b>
CES-99-10-0093	BETTERROADS BARRANQUITAS PLANT	ROAD PR-152	3/18/99
CES-99-10-0573	AAA SLUDGE TREATMENT AND DISPOSAL	ROAD. 771	10/27/99
CES-03-10-0139	MUNICIPALITY LIBRARY CONSTRUCTION	SUZANO MALDONADO STREET	4/8/03
CES-03-10-0066	GAS STATION DEMOLITION	ROAD PR-156 KM 4.7	2/24/03
CES-03-10-0194	DREDGE ACTIVITY BY JIMMY FERRER	ROAD. 143 KM. 55.1	5/14/03
CES-03-10-0355	URBAN ZONE CENTER PARKING	ROAD. 65 INFANTERIA	9/10/03
CES-04-10-0111	CALI ORNAMENTAL	ROAD. PR-152 KM 7.6	3/29/04
CES-04-10-0273	INTERAMERICAN UNIVERSITY MULTI-USE BUILDING	STATE ROAD 719 KM 0.3	7/30/04
CES-05-10-0006	SANITARY PIPES INSTALLATION AND PUMP STATION PROJECT	LA VEGA AND EL PARQUE COMMUNITIES	3/21/05
CES-06-10-0124	INTERAMERICAN UNIVERSITY MULTI-USE BUILDING II	ROAD. PR#719 KM. 0.4	3/24/06
CES-05-10-0453	COLOCO READY MIX	ROAD. #152, KM 1.0	12/1/05
CES-06-10-0087	OLD LA VEGA STATION REMEDIATION ACTIVITIES	ROAD. PR-156 KM 14.7	3/7/06
CES-07-10-0011	JIMMY FERRER MALDONADO EXTRACTION PROJECT	ROAD PR-143 KM 55.1	1/19/07

**Resource Conservation or Recovery Act (RCRA)**

The following information was obtained from the Enforcement & Compliance History Online and verified with PREQB Water Quality Department.

<b>FACILITY INFORMATION</b>	<b>FACILITY ADDRESS</b>	<b>RCRA PERMIT No.</b>
BARRANQUITAS REGIONAL COLLEGE	COMERIO EXIT BARRANQUITAS, PR 00618	PRD987367539
ESSO STANDARD OIL SS (LA VEGA)	LA VEGA SECTOR BARRANQUITAS, PR 00794	PRR000007922

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### **Underground Injection Control under the Safe Drinking Water Act**

The following information was provided by the PREQB – Underground Injection Control Section (PREQB-UIC).

<b>UIC PERMIT</b>	<b>FACILITY</b>	<b>ADDRESS</b>
UIC-08-10-0026	Papirin Service Station	Street 771 Km 2.5 Barrancas
UIC-92-10-0047	Betterroads Asphalts	Street 152, Km 1.0 Int. Bo. Quebrada Grande
UIC-RG-05-10-0001	Commercial Building Bakery	PR 152 Km 7.7 Bo. Quebradillas
UIC-02-10-0005	Super Gas Station	Street # 152 Km 6.6 Bo. Quebradilla
UIC-RG-08-10-0010	Car Wash Papirin Service Station	Street # 771, Km 2.5 Bo. Barrancas
UIC-RG-08-10-0007	El Cañon Shopping Center	Street # 162 Km 6.7 Bo. Helechal
UIC-RG-04-10-0009	Comercial Israel Zayas Building	Street # 152, Km 7.8 Bo. Quebradillas
UIC-RG-07-10-0005	Commercial Building El Cañon	Street # 162, Km 6.7 Bo. Helechal
UIC-RG-06-10-0003	Town Center Factory	Street # 152 Km 1.0 Int. Bo. Quebradillas
UIC-05-10-0022	S.U. School Helechal	Street # 162, Km 7.4 Bo. Helechal
UIC-RG-06-10-0001	Toñin Supermarket	Street # 152, Km 7.3 Bo. Quebradilla
UIC-RG-04-10-0004	Commercial Building	Street # 152 Km 7.8 Bo. Quebradilla

### **Prevention of Significant Deterioration (PSD) program under the Clean Air Act**

No PSD Permits have been requested in Barranquitas. This information was confirmed by the PREQB Air Program Guayama Regional Offices on October 2009

### **Nonattainment program under the Clean Air Act**

The Municipality of Barranquitas is located within an attainment area.

**National Emission Standards for Hazardous Air Pollutants preconstruction approval, Maximum Achievable Control Technology (MACT) and Emission Source Permit (NESHAP) as part of the Certification Law under Clean Air Act**

A list of the readily available permits under the Clean Air Act requested by Barranquitas Municipality Projects and/or Facilities was provided by PREQB Air Program Guayama Regional Offices on October 2009.

PERMIT No.	PROJECT	ADDRESS
PFE-LC-RG-10-0705-1043-II-0	PRIMARY MEDICINE CENTER ELECTRICITY GENERATOR	BARCELO STREET #53
PFE-LC-RG-10-1005-1842-II-0	GABRIELAS PHARMACY MENONITAS HOSPITAL	MAIN STREET #57, LA VEGA
PFE-LC-RG-10-0606-0992-II-0	SANTANDER BANK ELECTRICITY GENERATOR	BARCELO STREET #60
PFE-LC-RG-10-0107-0041-II-0	PREPA (AEE) TECHNICAL OFFICES	ROAD # 156 Km 14.2 LA VEGA
PFE-LC-RG-10-0207-0130-II-0	U.S. POSTAL SERVICE ELECTRICITY GENERATOR	MUNOS RIVERA STREET #41
PFE-RG-10-0109-0025-I-0	SHELL GAS STATION #558 OPERATION PERMIT	BARCELO STREET #156

**Ocean Dumping Permits under the Marine Protection Research and Sanctuaries Act**

Not applicable to the Municipality of Barranquitas

**Dredge or fill permits under section 404 of the Clean Water Act**

The following information was provided by the U.S. Army Corps of Engineers of Puerto Rico on October 2009.

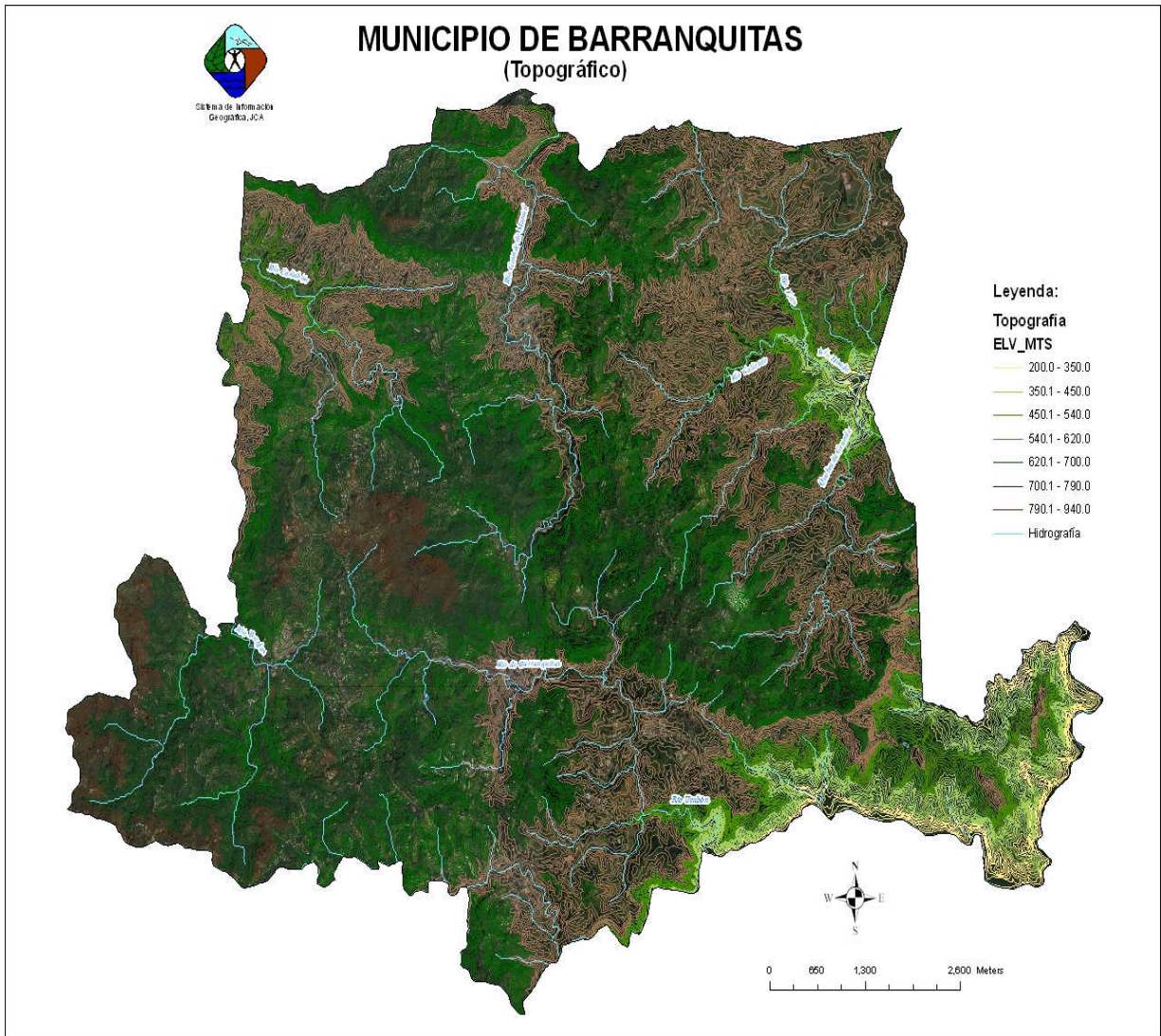
PERMIT No.	PROJECT NAME	USACE WATER ID	DATE
SAJ-2000-00949	PRASA	200000949:1	2000
SAJ-2000-01493	LA TORRE COMMUNITY AQUEDUCT	200001493:1	2000
SAJ-2000-02130	PEDRO LABOY COMMUNITY AQUEDUCT	200002130:1	2000
SAJ-2000-02041	PR HIGHWAY AUTHORITY	200102041:1	2001
SAJ-2001-04872	ESSO STANDARD OIL CO., P.R.	200104872:1	2001
SAJ-2002-03258	ECOLOGICAL SERVICE GROUP, INC	200203258:1	2002
SAJ-2002-06252	FEMA	PR-771,BARRANCAS WARD, BARRANQUITAS, PR	2002
SAJ-2005-04827	PRPBA- ELEMENTARY SCHOOL BARRANQUITAS, PR	FARALLON WARD, BARRANQUITAS, PR.	2005

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## Topographic Maps

### Topographic and Hydrologic Map

The following map includes details of the topography and the main rivers, lakes and creeks of the Municipality of Barranquitas.



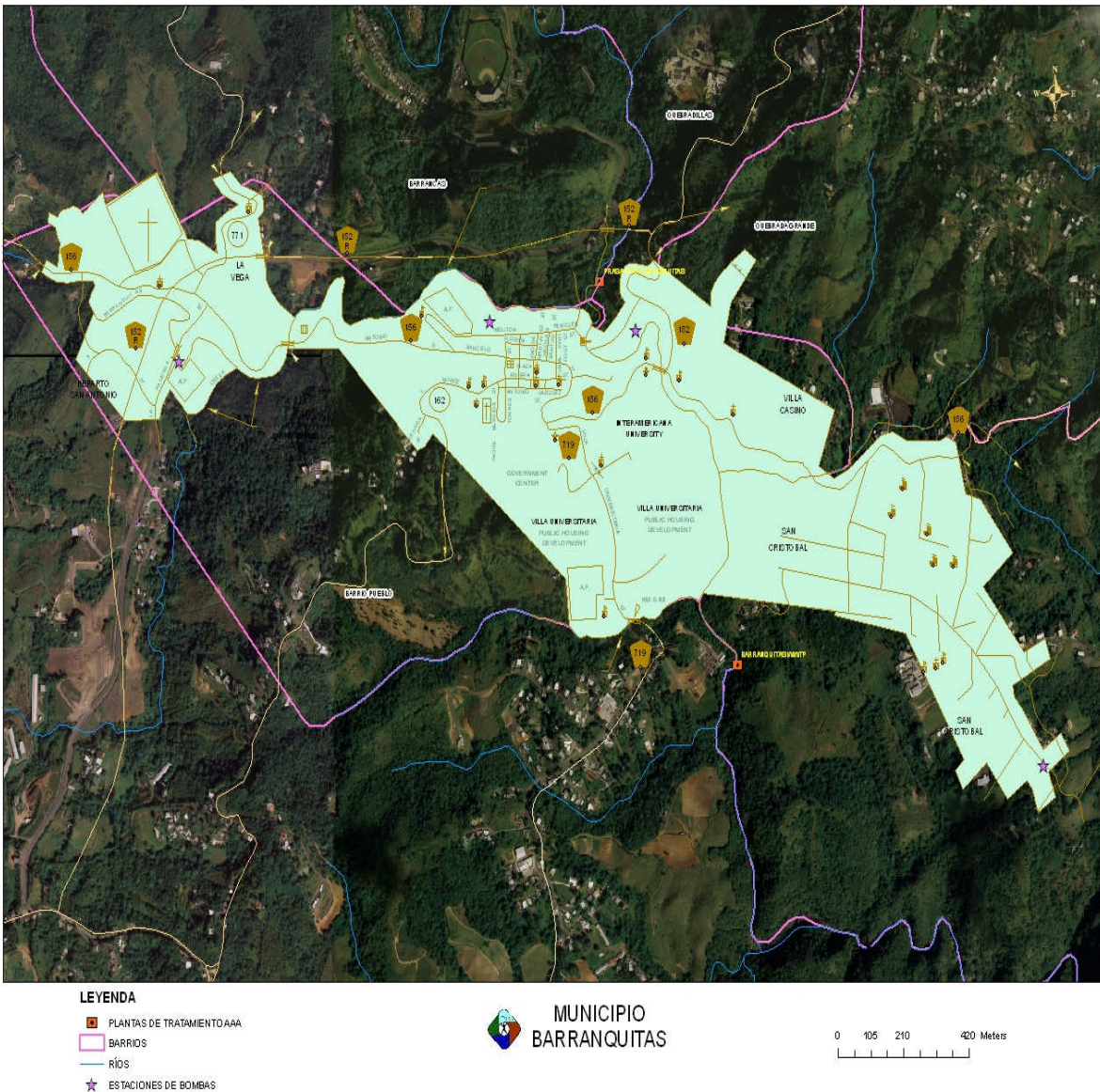
### Urban Zone Regulated Facilities Map

The following map includes the Puerto Rico Aqueduct and Sewer Authority (PRASA) Water Treatment Plants, PRASA wells, the PRASA potable water treatment plants' water sources, landfills, industrial zone, urban zone, main rivers, wards, and water pump stations.



## MS4 Urban Zone Map

The following map includes the delimitation of the MS4 Urban zone and the regulated facilities such as



the PRASA Water Treatment Plants and water pump stations.

## Storm Sewer Infrastructure Map

The Municipality of Barranquitas has not developed a storm sewer system map including the main outfalls. The Municipality will develop this map as part of the implementation phase of the SWMP.

### **Brief description of the nature of the business**

The Municipality of Barranquitas is located in the central region of Puerto Rico, specifically in the most important geomorphologic region of the island, in the Interior of the Cordillera Central. Barranquitas Municipality's name comes from its muddy soil and its condition of being easily carried away by water currents developing small "barrancos" (cliffs). It is north of Aibonito and Coamo; south of Corozal and Naranjito; east of Orocovis; and west of Comerio. The Municipality of Barranquitas has a territorial extension of 34 square miles (99 Km<sup>2</sup>). Its total population as per 2000 Census is 28,909 and the average density per square mile of land area is 845.

The Municipality comprises eight wards. They are Barrancas, Cañabon, Helechal, Honduras, Palo Hincado, Quebrada Grande, and Quebradillas. Its main rivers are Piñonas, Usabón, Rio Hondo, Barranquitas, La Plata, and Rio Grande de Manatí. Its topography is from 300 meters in the southeast up to a maximum of 800 meters in the west. The peak of Torrecilla is the highest of the Municipality. Barranquitas is home of the largest waterfall in Puerto Rico and largest canyon in the Caribbean. The San Cristobal Canyon is 9 km long and 750 feet deep, with two rivers flowing through it, the Usabón and the Barranquitas Rivers. It is located between Aibonito and Barranquitas.

The Municipality of Barranquitas is part of the San Juan, PR Urbanized Area-Southwest portion of the storm water entities defined by the 2000 census. A San Juan, PR Urbanized Area-Southwest Portion overview map, San Juan Urbanized Area-Southwest Portion detailed maps, and a Barranquitas urban area detailed map are included in Attachment B of this document.

The waterbodies that cross through the Municipality of Barranquitas are sub-watersheds of the La Plata River (PRER10A3, Rio Hondo PRER10H, and Rio Usabón PRER 10I1) and the sub-watersheds of the Rio Grande de Manatí (PRNR8A3, Rio Bauta PRNR8C2, Rio Orocovis PRNR8E1 and Rio Botijas PRNR8E2). Even though the Barranquitas sub-watershed is part of La Plata Watershed, PREQB, Strategic Planning and Evaluation Department confirmed that after reviewing the 303(d) List for lagoons, lakes and rivers of Puerto Rico, Barranquitas does not have any TMDL requirements. The only TMDLs approved for Puerto Rico waterbodies are Rio Cibuco (September 2002), Rio de la Plata (September 2003), and Rio Grande de Loiza (September 2007). The maps of La Plata and Rio Grande de Manatí Watersheds are included in Attachment A.

The information available on the storm sewer infrastructure of Barranquitas is scarce. Barranquitas' storm sewer system is mostly superficial with the exception of some gutter inlets with grates and curb inlets which discharge in the Usabón River. The Urban Zone storm water flows into two waterbodies; at the north of the town center into the Usabón River and at the south into a creek that also flows into Usabón River. A detailed description and map will be developed through the implementation phase of the SWMP.

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### Estimate of the square mileage served y the MS4.

The Municipality of Barranquitas has a total area of 34 square miles. The storm sewer infrastructure serves only the Barranquitas Town Center (El Pueblo). Barranquitas Town Center has a total area of 0.75 square miles and a population density per square mile of 3,877.

Area General Description			Area in square miles			Density per square mile of Land Area	
Name	Population	Housing Units	Land	Water	Total	Population	Housing Units
Barrancas ward	5,083	1,640	5.72	0.00	5.72	889.24	286.91
Barranquitas Town Center ward	2,910	1,170	0.75	0.00	0.75	3,877.01	1,558.80
Cañabón ward	2,221	754	3.57	0.00	3.57	622.86	211.45
Helechal ward	3,959	1,387	4.89	0.00	4.89	809.38	283.56
Honduras ward	2,155	689	3.96	0.01	3.97	544.28	174.02
Palo Hincado ward	3,963	1,333	5.43	0.00	5.43	729.44	245.35
Quebrada Grande barrio ward	3,194	1,056	3.63	0.00	3.63	880.68	291.17
Quebradillas ward	5,424	1,711	6.28	0.00	6.28	864.26	272.63

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### Summary of best management practices, measurable goals for each BMP, and persons responsible for implementing or coordinating the applicants storm water management program

A full description of all of the BMPs proposed for the six minimum control measures is included in the SWMP document (Attachment D).

Please note: For the tables included below, either Frequency or Deadline is provided based upon the type of milestone proposed. Completion Deadline indicates the Permit term year at the end of which the milestone will be completed and Permit Years indicate the years in which the associated BMP will be implemented.

#### Public Education and Outreach on Storm Water Impacts

The Environmental Control Department Manager will be responsible for the coordination of the public education and outreach program. The Environmental Control Department manages two main sections; the landfill and the recycling program. The Recycling Program Coordinator will implement the majority of the Public Education and Outreach Minimum Control Measure.

### Measurable Goals

- Number of events conducted where storm water materials were distributed and/or a storm water message was delivered
- Number of Municipality employees provided general storm water awareness training
- Number of managers trained
- Number of Municipality employees trained regarding BMPs specific to field work
- Number of school-age children educated about storm water

### Schedule & Milestones

Milestone	Completion Deadline	Frequency	Permit Year(s)
Develop General Awareness Message	Year 1	--	1
Incorporate Message into Existing Environmental Programs	Year 1	--	1-5
Review and Utilize New Existing Materials	Year 1	--	1-5
Public Works Training & Materials	--	1/year	1-5
Directors Training	--	1/year	1-5
General Storm Water Information on Website	Year 2	--	1-5
Septic System Educational Program	Year 3	--	3-5
Volunteer Events (i.e. stream cleanups, roadway litter events)	--	4/year	1-5
School presentations	--	1/school/year	1-5
Summer Camp	--	1/year	1-5
Environmental Symposium	--	1/year	1-5
Community Group Presentations	--	4/year	1-5

### Public Involvement/Participation

The Planning and Engineering and the Environmental Control departments will be responsible for implementing the Public Involvement Minimum Control Measure.

### Measurable Goals

The following measurable goals will be established in order to quantify SM4 permit compliance and program effectiveness.

- Number of public meetings conducted soliciting input on the SWMP

- Number of volunteers utilized to conduct activities with storm water benefit (i.e. stream cleanups)
- Timely availability of SWMP documents and annual reports to the public

#### *Schedule & Milestones*

<b>Milestone</b>	<b>Completion Deadline</b>	<b>Frequency</b>	<b>Permit Year(s)</b>
Solicit Public Input at Public Meetings	---	1/year	1-5
Volunteer Events (i.e. stream cleanups, roadway litter events)	--	4/year	1-5
SWMP Information on Website	Year 2	--	1-5
Develop Adopt-A-Storm Drain Program	Year 3	--	3-5

#### Illicit Discharge Detection and Elimination

The Planning and Engineering, Public Works, and Environmental Control Departments will implement and coordinate the BMPs for the Illicit Discharge Detection and Elimination (IDDE) Minimum Control Measure.

#### *Measurable Goals*

- Approval of adequate legal authority (i.e. existing or new ordinance(s)) to prohibit illicit discharges
- Completion of storm sewer map
- Completion of dry weather inspections within priority areas of the MS4
- Number of trainings provided to Municipality staff
- Percentage (%) of detected or reported illicit discharges eliminated
- Number of septic system owners educated about proper maintenance

#### *Schedule & Milestones*

<b>Milestone</b>	<b>Completion Deadline</b>	<b>Frequency</b>	<b>Permit Year(s)</b>
Review of Existing Ordinance(s)	Year 1	--	1
Development of New Ordinance	Year 2	--	1-2
Storm Sewer Mapping	Year 2	--	1-2
Development of IDDE Plan	Year 3		1-3
Development of ERP	Year 3	--	3

Milestone	Completion Deadline	Frequency	Permit Year(s)
Completion of Priority Dry Weather Inspections	Year 5	--	4-5
Public Works IDDE Training & Materials	--	1/year	1-5
Directors Training	--	1/year	1-5
IDDE Information on Website	Year 2	--	1-5
Septic System Educational Program	Year 3	--	3-5

### Construction Site Storm Water Runoff

The Planning and Engineering Department will implement and coordinate the BMPs for the Construction Minimum Control Measure.

### *Measurable Goals*

- Development of erosion and sediment control policy
- Number of erosion and sediment control trainings provided to Municipality staff
- Number of CES Plans reviewed for adequacy
- Number of inspections conducted
- Number of violations referred to PREQB

### *Schedule & Milestones*

Milestone	Completion Deadline	Frequency	Permit Year(s)
Develop Erosion and Sediment Control Policy	Year 1	--	1
Develop Inspection SOP	Year 2	--	1-2
Develop Plan Review SOP	Year 2	--	1-2
Conduct Public Works Field Staff Trainings	--	1/year	1-5
Introduce Construction Information on Website	Year 2	--	1-5
Implement Plan Review and Inspection SOPs	Year 3	--	3-5

*Note 1:* Either Frequency or Deadline is provided based upon the type of milestone proposed.

*Note 2:* Completion Deadline indicates the Permit term year at the end of which the milestone will be completed.

*Note 3:* Permit Years indicate the years in which the associated BMP will be implemented.

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## Post-Construction Storm Water Management in New Development and Redevelopment

The Planning and Engineering Department will implement and coordinate the BMPs for the Post-construction Minimum Control Measure.

### *Measurable Goals*

- Development of post-construction storm water management policy
- Number of hydrologic/hydraulic plans reviewed for adequacy
- Number of “as built” post-construction BMP inspections conducted
- Percent (%) of development projects with “as built” inspections performed prior to occupancy
- Development of mechanism to require that private landowners maintain post-construction BMPs

### *Schedule & Milestones*

Milestone	Completion Deadline	Frequency	Permit Year(s)
Develop Post-Construction Storm Water Management Policy	Year 1	--	1
Develop Inspection SOP	Year 2	--	1-2
Develop Plan Review SOP	Year 2	--	1-2
Investigate Options for Private Maintenance	Year 2	--	3-5
Implement Plan Review and Inspection SOPs	Year 3	--	3-5

*Note 1:* Either Frequency or Deadline is provided based upon the type of milestone proposed.

*Note 2:* Completion Deadline indicates the Permit term year at the end of which the milestone will be completed.

*Note 3:* Permit Years indicate the years in which the associated BMP will be implemented.

## Pollution Prevention/Good Housekeeping for Municipal Operations

The Planning and Engineering, Public Works, and Environmental Control Departments will implement and coordinate the BMPs for the Pollution Prevention/Good Housekeeping Minimum Control Measure.

### *Measurable Goals*

- Number and percentage of facility inspections completed
- Number of SWPPPs completed
- Number and percentage of field staff trained in activity or facility-specific BMPs
- Activity SOPs completed to assist field staff in BMP implementation
- Tons of material removed from MS4 system per year

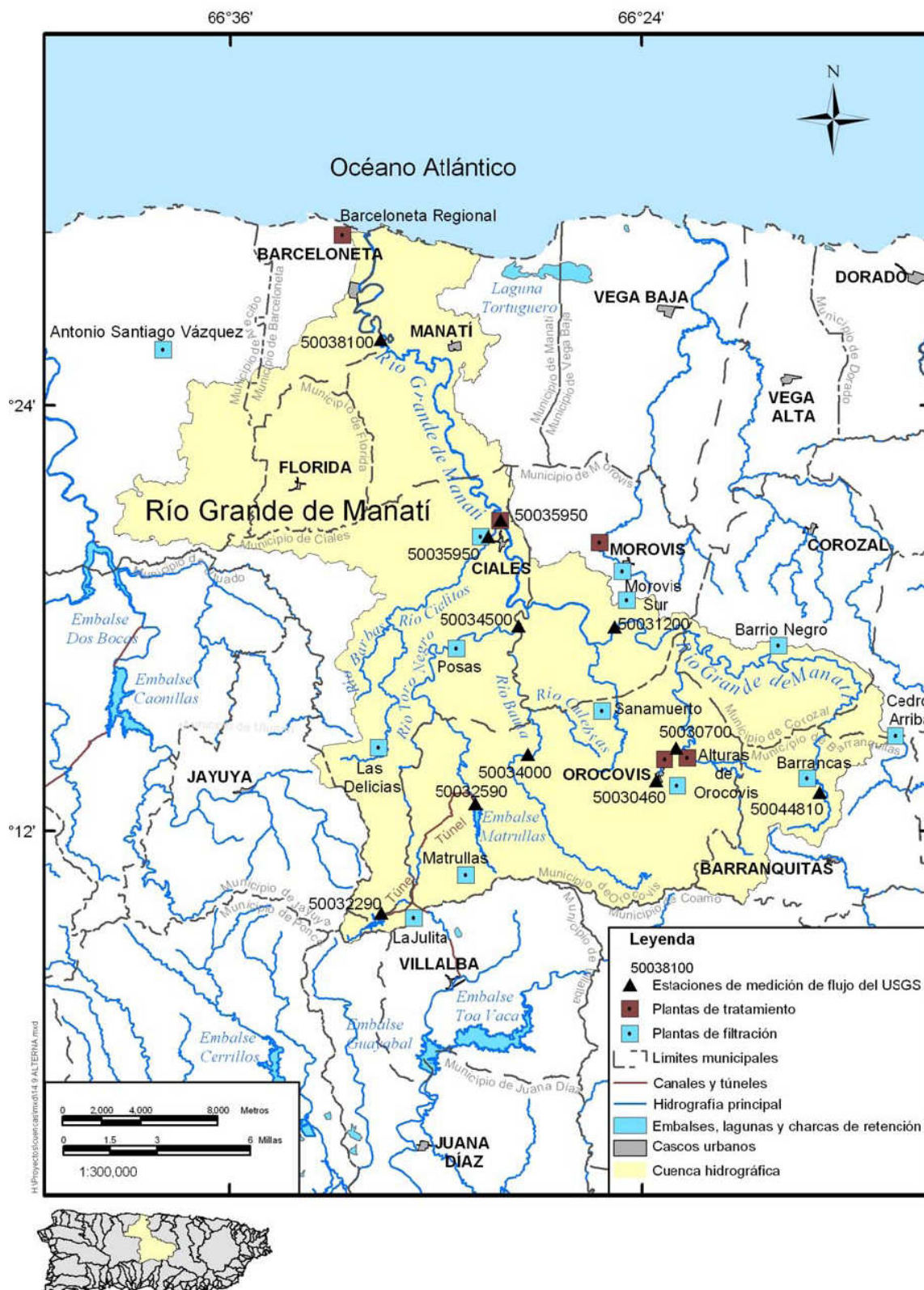
*Schedule & Milestones*

<b>Milestone</b>	<b>Completion Deadline</b>	<b>Frequency</b>	<b>Permit Year(s)</b>
Perform Initial Facility Inventory & Inspections	Year 1	--	1-2
Review Activities for Discharge Potential	Year 2	--	1-2
Development of SWPPPs	Year 3	--	3
Train Public Works Field Staff	--	1/year	1-5
Implement Facility BMPs	Year 3	--	3-5
Inspect Facilities	--	1/year	3-5
Develop Activity-Specific SOPs	Year 3	--	3
Implement Activity BMPs	Year 3	--	3-5
Clean Debris from MS4	--	1/year	1-5
Review Facility Prioritization	Year 5		5

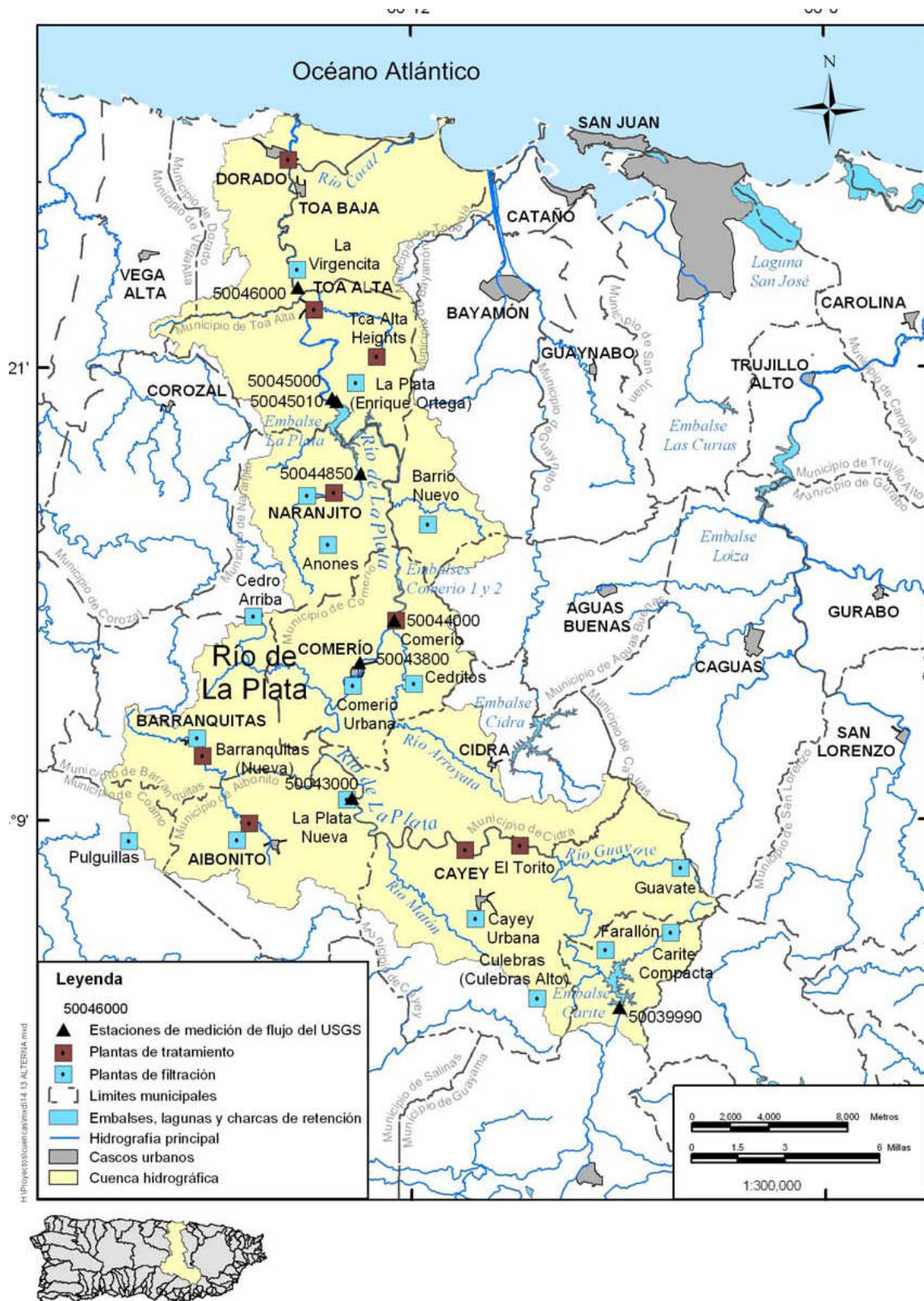
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## **ATTACHMENT A WATERSHED MAPS**

# RIO GRANDE DE MANATÍ WATERSHED MAP



# LA PLATA RIVER WATERSHED MAP



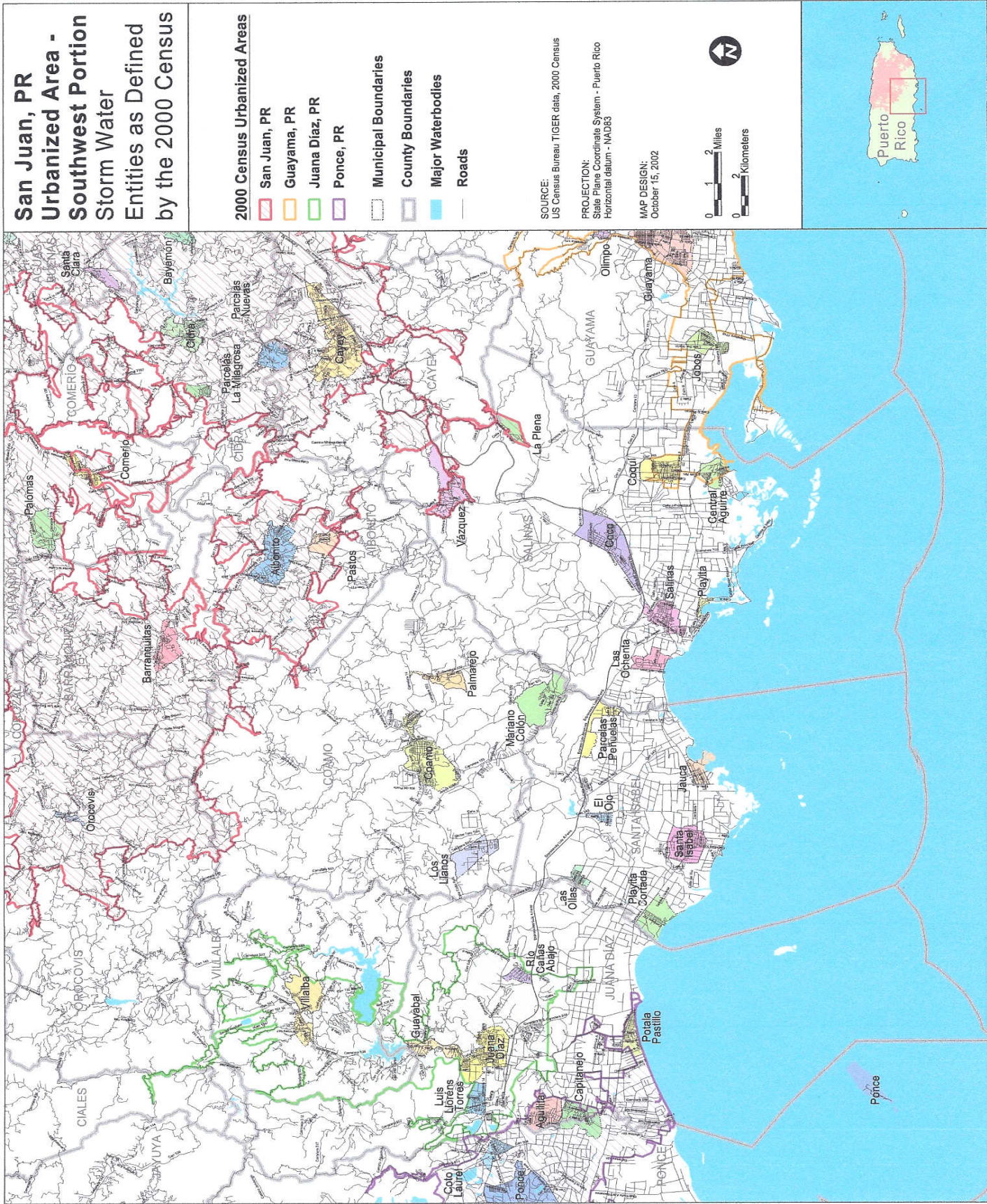
## **ATTACHMENT B URBANIZED AREA MAPS**

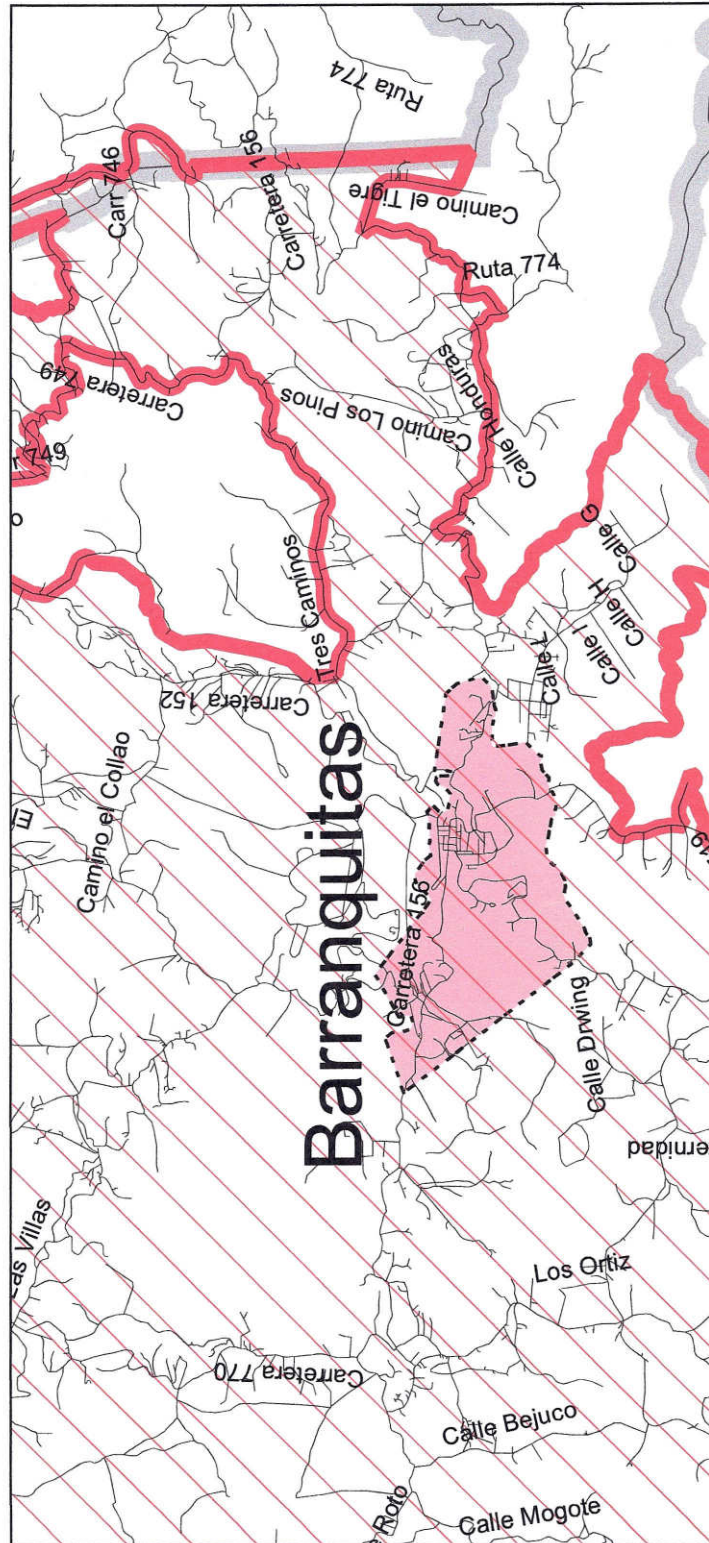
**SAN JUAN URBANIZED AREA SOUTHWEST PORTION STORM WATER ENTITIES  
CENSUS 2000\_ OVERVIEW**

**SAN JUAN URBANIZED AREA SOUTHWEST PORTION STORM WATER ENTITIES  
CENSUS 2000\_ DETAILED**

**BARRANQUITAS URBANIZED AREA STORM WATER ENTITIES \_ CENSUS 2000  
DETAILED**





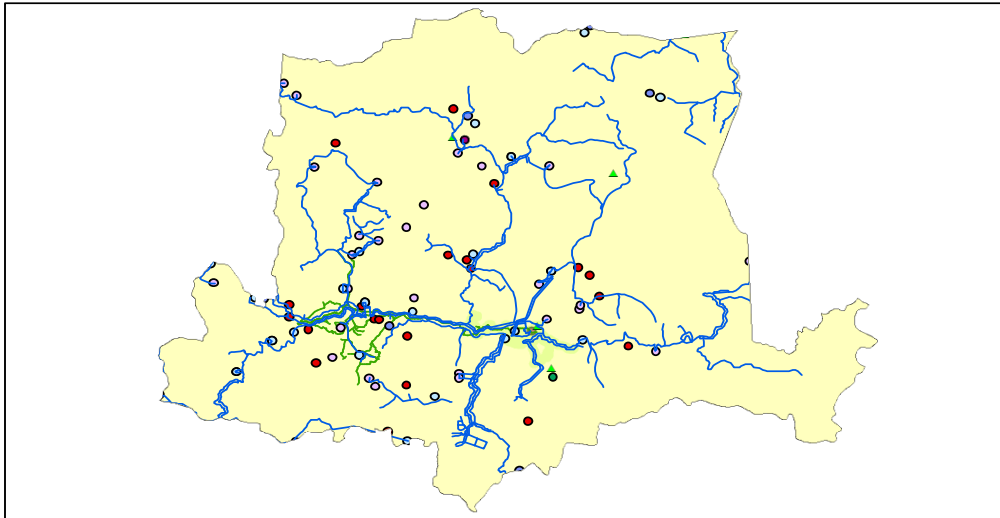


## ATTACHMENT C INFRASTRUCTURE MAP

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## MUNICIPALITY OF BARRANQUITAS PRASA INFRASTRUCTURE MAP

### Infraestructura AAA Municipio de Barranquitas



#### Municipio de Barranquitas

- Acueductos
- Bombas de Agua
- ▲ Plantas
- Pozos
- Plantas de Filtración
- Tanques de agua
- Tomas
- Registros Sanitarios
- Plantas de Tratamiento
- Alcantarillado



## **ATTACHMENT D STORM WATER MANAGEMENT PROGRAM**